

DOCUMENT RESUME

ED 416 088

SE 061 136

AUTHOR Hurd, Paul DeHart
TITLE Inventing Science Education for the New Millennium. Ways of Knowing in Science Series.
ISBN ISBN-0-8077-3672-4
PUB DATE 1997-00-00
NOTE 120p.
AVAILABLE FROM Teachers College Press, 1234 Amsterdam Avenue, New York, NY 10027.
PUB TYPE Books (010)
EDRS PRICE Document Not Available from EDRS.
DESCRIPTORS Curriculum Development; Educational History; *Educational Objectives; *Educational Philosophy; Educational Strategies; Elementary Secondary Education; *Futures (of Society); Government School Relationship; *Science and Society; *Science Education; Social Change; Teacher Education; *Technological Advancement
IDENTIFIERS *Nature of Science

ABSTRACT

This book emphasizes the nature and ethos of science, the character of U.S. society and economy, and how people live, work, and communicate. The interaction of several cultural shifts calls for a unifying perspective of science education that is oriented toward helping young people cope with life in the 21st century and that is supportive of a science/technology-based democracy. The problem is presented in Chapter 1, the prologue. Chapter 2 presents two different views of educational reform: (1) ideas proposed by most educators and the public and (2) proposals being formulated by the government. Chapter 3 explores the roots of the science education reform movement. Chapters 4-6 describe changes in the nature of contemporary science/technology. Chapter 7 presents extensive research focusing on understanding today's adolescents along with implications for new curricula. Chapter 8 outlines science teaching for a changing world--the changing concepts of what learning means in terms of knowing, understanding, and the utilization of knowledge. Chapter 9, the epilogue, addresses problems associated with the implementation of new science curricula for the 21st century. Contains well over 300 references. (PVD)

* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
